

CLAIMS

1. A method of creating a new partition, including:
initially allocating initially available sectors in a designated new partition area of
a source partition to the new partition; and
5 subsequently allocating additional sectors in the designated new partition area of
the source partition to the new partition that have subsequently become available.
2. A method of creating a new partition as recited in claim 1, wherein subsequently
allocating includes periodically checking when sectors in the designated new partition
area become available.
- 10 3. A method of creating a new partition as recited in claim 1, wherein subsequently
allocating includes checking when sectors in the designated new partition area become
available when a file closes.
4. A method of creating a new partition as recited in claim 1, wherein subsequently
allocating occurs when sectors become available.
- 15 5. A method of creating a new partition as recited in claim 1, further including
temporarily allocating sectors outside the designated new partition area to substitute for
unavailable sectors in the designated new partition area.
6. A method of creating a new partition as recited in claim 1, wherein initially
allocating includes temporarily allocating sectors outside the designated new partition
20 area to substitute for unavailable sectors in the designated new partition area.

7. A method of creating a new partition as recited in claim 1, wherein subsequently allocating includes temporarily allocating sectors outside the designated new partition area to substitute for unavailable sectors in the designated new partition area.

8. A method of creating a new partition as recited in claim 1, wherein some sectors
5 in the designated partition area are not allocated initially because they are unavailable and subsequently allocating includes temporarily allocating sectors outside the designated new partition area to substitute for unavailable sectors in the designated new partition area.

9. A method of creating a new partition as recited in claim 1, further including a new
10 partition allocation process and a new partition simulation process.

10. A method of creating a new partition as recited in claim 1, further including a new partition simulation process and a new partition allocation process, wherein the new partition simulation process includes:

receiving a virtual partition file system request;
15 translating the request to an offset in the virtual partition file;
sending the request to the source partition file system; and
processing of the request by the source partition file system.

11. A method of creating a new partition as recited in claim 1, further including a new partition simulation process and a new partition allocation process, wherein the new
20 partition simulation process includes:

receiving a virtual partition file system request;
translating the request to an offset in the virtual partition file;
sending the request to the source partition file system; and

processing of the request by the source partition file system.

wherein the request is for a read or write operation.

12. A method of creating a new partition as recited in claim 1, further including a new partition simulation process and a new partition allocation process, wherein the new

5 partition simulation process includes:

receiving a virtual partition file system request;

consulting a shadow file for sectors related to the request;

translating the request to an offset in the shadow file;

sending the request to the source partition file system; and

10 processing of the request by the source partition file system.

13. A method of creating a new partition as recited in claim 1, further including a new partition simulation process and a new partition allocation process, wherein the new partition simulation process includes:

receiving a virtual partition file system request;

15 allocating a sector to a shadow file;

sending the request to the source partition file system; and

processing of the request by the source partition file system.

14. A method of creating a new partition as recited in claim 1, wherein the new partition includes additional free space to the right of the source partition.

20 15. A method of creating a new partition as recited in claim 1, further including:

obtaining exclusive access to the source partition;

relocating remaining sectors from the designated truncated partition area to the designated new partition area; and

releasing exclusive access to the source partition.

16. A method of creating a new partition as recited in claim 1, further including realizing the new partition.

17. A system for creating a new partition, including a block device driver configured to:

initially allocate initially available sectors in a designated new partition area of a source partition to the new partition; and

subsequently allocate additional sectors in the designated new partition area of the source partition to the new partition that have subsequently become available.

10 18. A computer program product for modifying an audio signal, the computer program product being embodied in a computer readable medium and comprising computer instructions for:

initially allocating initially available sectors in a designated new partition area of a source partition to the new partition; and

15 subsequently allocating additional sectors in the designated new partition area of the source partition to the new partition that have subsequently become available.